



## **IceWind** Turbines for Telecom Tower Applications

**EXTREMELY DURABLE**

**OMNIDIRECTIONAL**

**TOLERANT TO TURBULENCE**

**PRODUCTION IN LOW AND HIGH WIND**

**SILENT OPERATION**

**EASY TO INSTALL**

**WILD LIFE SAFE DUE TO LOW RPM**

**LOW TEMPERATURE TOLERANCE**

**Icewind** designs and manufactures robust micro vertical-axis wind turbines to power communication towers, weather and seismic stations, emergency systems, lighting, and on-grid and off-grid lodgings. All products are tested in Iceland, one of the windiest places on earth.

[www.icewind.is](http://www.icewind.is)

# RW600 Wind Turbine

RW VAWT are omnidirectional and designed to operate in austere and remote environments for extended periods with little or no maintenance. They can provide renewable energy in both on-grid and off-grid applications both in calm wind areas and turbulent conditions. The Icewind power generating system reduce operational costs and increase backup power time.

RW600 VAWT can be paired with solar, fossil fuel, or battery systems. It can also be configured to capture meteorological, seismic sensor data.

RW wind turbine can be mounted directly on almost any tower or set on a ground frame, or mobile tower. They are able to withstand wind speeds up to 167 mph, 75 m/s, (Category 5 Hurricane wind speeds).

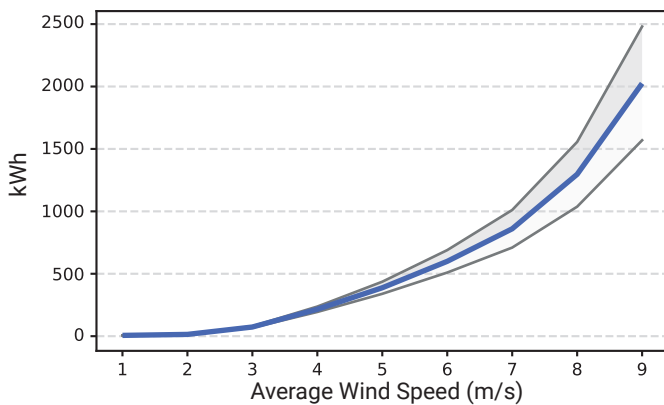
Their low operating rotational speed also provides a safer working environment for wildlife.



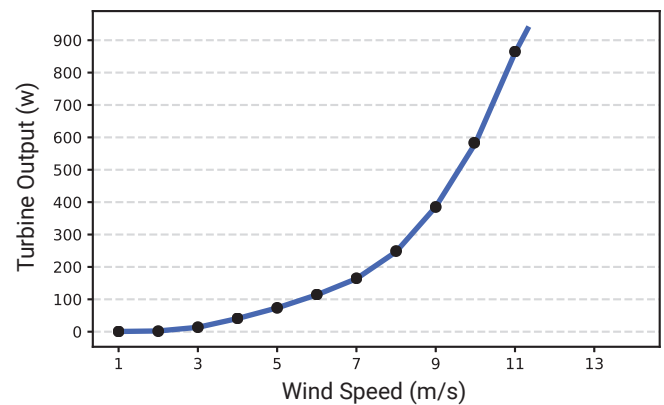
Survival speed	+160mph	+70m/s*
Startup wind speed	4.5 mph	2 m/s
Cut in wind speed	5.5 mph	2.5 m/s
Rated power *10 m/s	600 W	
Rated power *12.5 m/s	1000 W	
Max power	5000 W On-grid	
	2500 W Off-grid	10 m/s
Noise level	< 30 dB	
Height	86 inch	2.2 m
Diameter	67 inch	1.7 m
Weight	187 lbs	85 kg
Generator	2 x 500 W AFPMG	
Number of blades	3 inner, 3 outer	
Blade material	CFRP/GRP *, SS	
Color	Gloss White, RAL 9016	
Electric system solutions	Grid Tied or Battery Charge	
Mounting options	Ground frame, Tower, Mobile frame	
Foundation Options	Pad, Non-Penetrating, Ballast pad	
Cold Climate Option	-45°C, Available on request	
Warranty	3 Years	

\* Subject to the material selection

Annual RW600 Output



RW600 Power Curve



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Data is based on preproduction testing and is best faith projections on final values.

The information given in this document only contains general descriptions and/or performance features, which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

**ICEWIND**  
EXTREME ENERGY SOLUTIONS

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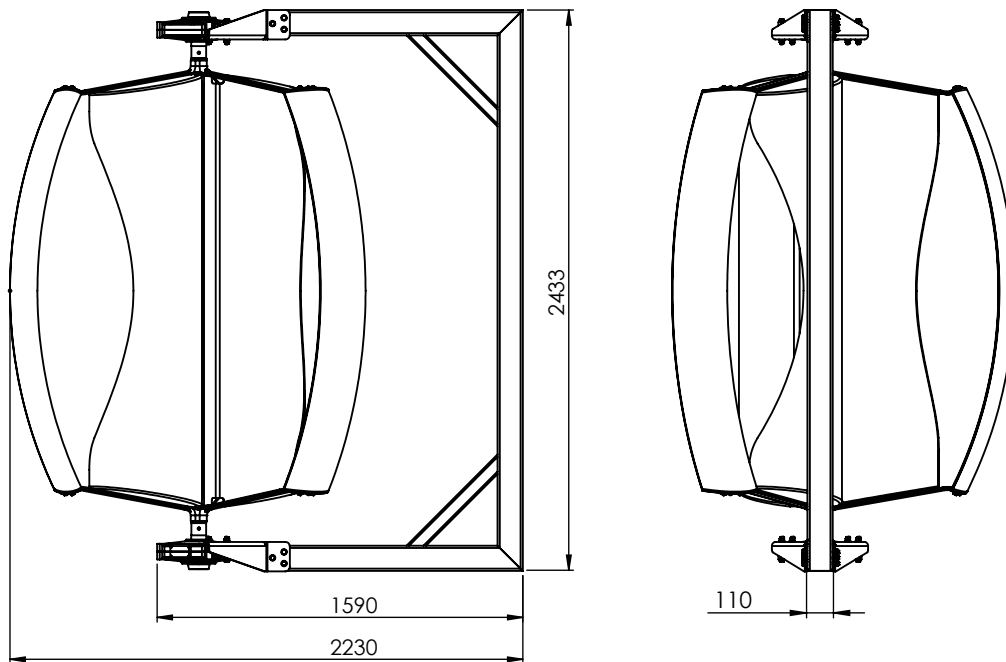
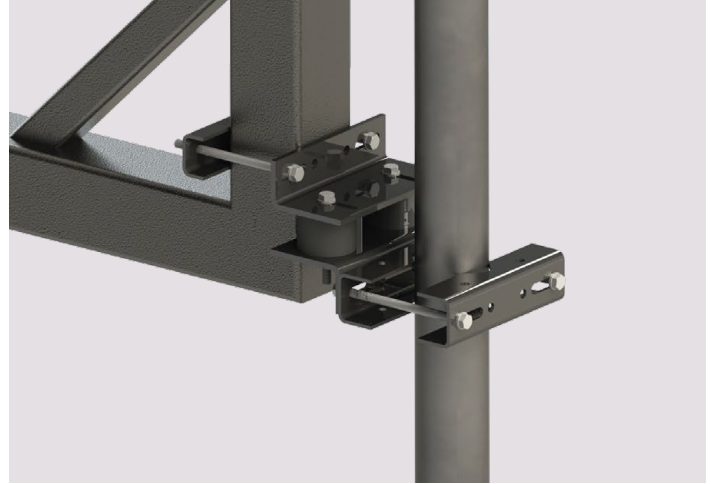
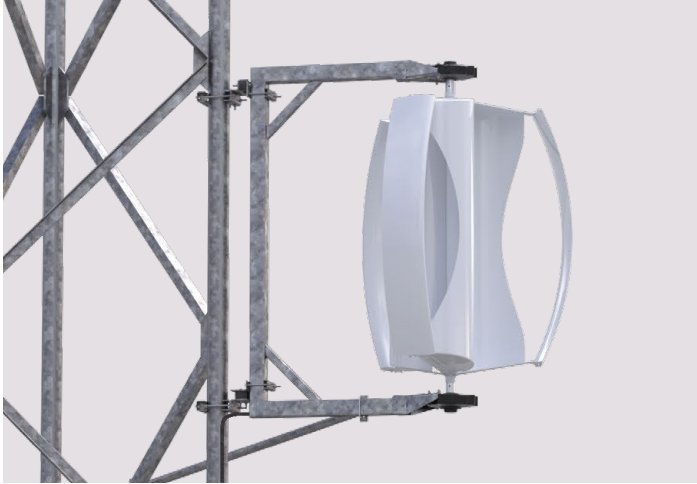
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# RW600 Mounting

Icewind VAWT can be mounted directly on the existing tower or ground. Consultate with Icewind for the best suitable mounting solution. Icewind can provide custom solutions for mounting our wind turbines in challenging locations.

**RW600 tower frame** can be mounted on the telecom tower using universal sliding mounting clamps or Icewind vibration-damping mounting clamps.



**RW600 ground frame** can be used for quick installations in locations where there are no wind-obstructing elements. The 3-leg frame does not require complicated foundations, screw piles can be used for soft ground or the frame can be directly mounted to the solid base.